GenCore version $5.1.4_-p5_-4578$ Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

April 28, 2003, 13:48:50 ; Search time 16 Seconds (without alignments) 2392.666 Million cell updates/sec Run on:

US-09-497-822C-19
4912
1 MEVQLGLGRVYPRPPSKTYR.....SVQVPKILSGKVKPIYFHTQ 923 Title: Perfect score: Sequence:

Scoring table:

BLOSUM62 Gapop 10.0 , Gapext 0.5

Searched:

112892 Total number of hits satisfying chosen parameters: 112892 seqs, 41476328 residues

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

SwissProt_40:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Euteleostomi;

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Craniata; Vertebrata; Eutele Catarrhini; Hominidae; Pan.

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DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DOM
A DAN-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN.
SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.
NR3 SUBFAMILY.
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30-MAY-2000 (Rel. 39, Last sequence update)
30-MAY-2000 (Rel. 39, Last annotation update)
Androgen receptor (Dihydrotestosterone receptor)
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                                                       Pan troglodytes (Chimpanzee).
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Buropean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/annouhce/or send an email to license@isb-sib.ch).
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TRANSFAC; TO465.

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97.6%; Score 4794; DB 1; Length 911;
Best Local Similarity 98.4%; Pred. No. 2.1e-221;
Matches 908; Conservative 1; Mismatches 2; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MODULATING (BY SIMILARITY). NUCLEAR RECEPTOR-TYPE.
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601B9BD4E697DAA4 CRC64;
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POLY-PRO.
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C4-TYPE.
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                                                                                           AGKSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTLELPSTLSLYKSGALDEAAA 360
                                       ADLKDILSEASTMQLLQQQQQEAVSEGSSSGRAREASGAPTSSKDNYLGGTSTISDNAKE 240
                                                                 LCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGVPPAVRPTPCAPLAECKGSLLDDS 300
                                                                                                   175
                                               Androgen receptor (Dihydrotestosterone receptor).
AR OR NR3C4.
Papio hamadryas (Hamadryas aboon).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae;
                                                                                                                                                                                                                                                                                 KWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMH
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                                                                         QQQQQQQQQQQQQQQQQQQQQQQETSPR-QQQQQGEDGSPQAHRRGPTGYLVLDEEQQPSQ
             PQSALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAAPSTLSLLGPTFPGLSSCS
                    30 MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
30-MAY-2000 (Rel. 39, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                               895 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cercopithecinae; Papio
NCBI_TaxID=9557;
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097960;
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ANDR_PAPHA
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                                                                                                                                              DOMAIN,
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                                                        Gaps
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                         Choong C.S., Remppainen J.A., Wilson E.M.; ^{\circ} Evolution of the primate androgen receptor: a structural basis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 895;
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SMART; SM00399; ZNF_C4; 1.
PROSTES; PS00031; NUCLEAR_RECEPTOR; 1.
Receptor; Transcription regulation; DNA-binding; Nuclear Zinc-finger; Steroid-binding.
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NUCLEAR RECEPTOR-TYPE.
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3; Mismatches
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InterPro; IPR001103; Andrgn_receptor.
InterPro; IPR001536; Hormone_rec_lig.
InterPro; IPR001628; znf__C4steroid.
Pfam; PF00104; hormone_rec; 1.
Pfam; PF00105; zf-C4; 1.
Pfam; PF00105; Androgen_recep; 1.
PRINTS; PR00164; STROIDFINGER.
Propom; PP000035; znf_C4steroid; 1.
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            MEDLINE=98404153; PubMed=9732460;
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FROM N.A.
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                                AGKSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTLELPSTLSLYKSGALDEAAA 360
                                        QKLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVV 720
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                                                               YQSRDYYNFPLALAGPPPPPPPPPHPHARIKLENPLDYGSAWAAAAQCRYGDLASLHGAG 420
                                                                       MRLETARDHVL.PIDYYFPPQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCA
                                                                                                                                                                        KWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMH
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                                                                                                                               VAPYGYTRPPQGLAGQESDFTAPDVWYPGGMVSRVPYPSPTCVKSEMGPWMDSYSGPYGD
                                                                                                                                                                                               SRNDCTIDKFRRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPTEETT
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-!- FUNCTION: THE STEROID HORMONES AND THEIR RECEPTORS ARE INVOLVED:
THE REGULATION OF EUKARYOTIC GENE EXPRESSION AND AFFECT CELLULAR
PROLIFERATION AND DIFFERENTIATION IN TARGET TISSUES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Macaca fascicularis (Crab eating macaque) (Cynomolgus monkey).
Eukaryota; Metazoa: Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Choong C.S., Kemppainen J.A., Wilson E.M.; "Evolution of the primate androgen receptor: a structural basis
                                                                                                                                                                            30-WAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
30-MAY-2000 (Rel. 39, Last annotation update)
Androgen receptor (Dihydrotestosterone receptor).
                                                                                                                   895 AA.
                                                                                                                         PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=98404153; PubMed=9732460;
                                                                                                                   STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
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                                                                                                             ANDR_MACFA 097952;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3;
SUBCELLULAR LOCATION: Nuclear.
DOMAIN: COMPOSED OF TRREE DOMAINS: A MODULATING N-TERMINAL DOMAIN, A DIABLE DOMAIN A DIABLE DOMAIN AD STEROID-BINDING DOMAIN BOWAIN AD A CHEMINAL STEROID-BINDING DOMAIN.
SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               280
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61 QQQQQQQQQQQQQQQQQQQQQETSPR-QQQQQQGEDGSPQAHRRGPTGYLVLDEEQQPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEVQLGLGRVYPRPPSKTYRGAFQNLFQSVREVIQNPGPRHPEAASAAPPGASI.LLLQQQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   --------QQQQQQQETSPRQQQQQGEDGSPQAHRRGPTGYLVLDEEQQPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       180 SADLKDILSEASTMOLLOQOQOEAVSEGSSSGRAREASGAPTSSKDNYLGGTSTISDNAK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                240 ELCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGVPPAVRPTPCAPLAECKGSLLDD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   360 AYQSRDYYNFPLALAGPPPPPPPPPHPHARIKLENPLDYGSAWAAAAAQCRYGDLASLHGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               120 QPQSALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAAPSTLSLLGPTFPGLSSC
                                                                                                                                                                                                                                             InterPro; 174034; Andrgn_receptor.

InterPro; IPR001638; Andrgn_receptor.

InterPro; IPR001638; Inf_C4steroid.

InterPro; IPR00164; Androne_rec; 1.

Pfam; PF00104; Androgen_rece; 1.

Pfam; PF00104; Androgen_recep; 1.

Pfam; PF00104; Androgen_recep; 1.

PFD0004; Androgen_recep; 1.

PFD0004; PF00104; Interprecep; 1.

SMART; SM00430; Androgen_recep; 1.

SMART; SM00399; Inf_C4; 1.

SMART; SM00399; Inf_C4; 1.

RPOSITE; PS00031; NUCLEAR_RECEPTOR; 1.

Receptor; Transcription regulation; DNA-binding; Nuclear prof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 895;
                                                                                                                                                                                                                                                                                                                                                                                                                                  MODULATING (BY SIMILARITY):
NUCLEAR RECEPTOR-TYPE.
C4-TYPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A3EB17916F43A097 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 4678; DB 1;
Pred. No. 6.8e-216;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LIGAND-BINDING.
POLY-GLN.
POLY-GLN.
POLY-GLN.
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2; Mismatches
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POLY-GLY.
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                                                                                                                                                                                                       EMBL; U94179; AAC73050.1; -. HSSP; P06536; 1GDC.
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95.9%;
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895 AA;
                                          SIMILARITY: BEI
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DNA_BIND
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    s SWISS-PROT entry is copyright. It is produced through a collaboration ween the Swiss Institute of Bioinformatics and the EMBL outstation-Buropean Bioinformatics Institute. There are no restrictions on its by non-profit institutions as long as its content is in no way iffied and this statement is not removed. Usage by and for commercial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INVOLVED IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUBCELLULAR LOCATION: Nuclear.

DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DOMAIN, A DINA-BINDING DOMAIN AD A C-TERMINAL STEROID-BINDING DOMAIN SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.
AYQSRDYYNFPLALAGPPPPPPPPPHARIKLENPLDYGSAWAAAAQCKYGDLASLHGA 400
                                                                                                                                                               629
                                                                                                                                                                                                                                691
                                                                                                                                                                                                                                                                 451
                                                                                                                 DMRLETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLC 599
                                                                                                                                         571
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                                                                                                                                                                                                                                                                                                 HKSRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYI 839
                                                                                                                                                                                                                                                                                                                            811
                                                                                                                                                                                                                                                                                                                                                KELDRIIACKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMM 899
                                                                                                                                                                                                                                                                                                                                                                       871
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         disease.";
J. MOL. EVO. 47:334-342(1998).

- FUNCTION: THE STEROID HORMONES AND THEIR RECEPTORS ARE INVOLVED I THE FUNCTION: THE STEROID HORMONES AND THEIR REGULATION OF EUKARYOTIC GENE EXPRESSION AND AFFECT CELLULAR PROLIFERATION AND DIFFERENTATION IN TARGET TISSUES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for
                                                                                                                                                                                                                      AQKLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHV
                                                                    AVAPYGYTRPPQGLAGQESDFTAPDVWYPGGMVSRVPYPSPTCVKSEMGPWMDSYSGPYG
                                                                                                                                                                                                        660 TQKLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHV
                                                                               ASRNDCTIDKFRRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPTEET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eulemur fulvus collaris (Collared brown lemur).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Strepsirhini; Lemuridae; Eulemur.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=98404153; PubMed=9732460;
Choong C.S., Kemppainen J.A., Wilson E.M.;
"Evolution of the primate androgen receptor: a structural basis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
30-MAY-2000 (Rel. 39, Last annotation update)
Androgen receptor (Dihydrotestosterone receptor).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           884 AA.
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                                                                                                                                                                                                                                                                                                                                                                                             AEIISVQVPKILSGKVKPIYFHTQ
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097776;
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Eulemur
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entities requires a license agreement (See http://www.isb-s1b.ch/announce/or send an email to license@lsb-s1b.ch).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PROSTIE; PS00031; NUCLEAR RECEPTOR; 1.
Receptor; Transcription regulation; DNA-binding; Nuclear protein; Zinc-finger; Steroid-binding.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ....-.QQQQETSPPQQQQQGEDGSPQAQSRGPTGYLALDEEQQPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 884;
                                                                                                                                                                                                                                                           NUCLEAR RECEPTOR-TYPE.
C4-TYPE.
C4-TYPE.
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                                                                                                                                                                                                                                                                                                                                         LIGAND-BINDING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 4404.5;
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POLY-GLN.
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POLY-ALA.
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POLY-GLY.
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                                                                     TRANSFAC; T04655; ... InterPro; IPR001103; Andrgn_receptor. InterPro; IPR0010536; Hormone_rec_lig. InterPro; IPR001628; Znf_C4steroid.
                                                                                                                                              Pfam; PF00105; zf-C4; 1.
Pfam; PP00106; Androgen_recep; 1.
PRIMES; PR00047; STR_CALDFINGER.
ProDom; PD000035; Znf_C4steroid; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20;
                                                                                                                                Pfam; PF00104; hormone_rec; 1.
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95610 1
                                           EMBL; U94178; AAC73049.1;
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                                                                                                                                                                          PRINTS; PROU047; STROIDE
ProDom; PD000035; Znf_C4
SMART; SM00430; HOLI; 1
SMART; SM00399; ZnF_C4;
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884 AA;
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les 834; Conserv
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ZN_FING
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUBCELLULAR LOCATION: Nuclear.

DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DOMAIN,
A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN.
SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.
NR3 SUBFAMILY.
            TQKLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHV 719
                                                                                                                                               629
                                                       VKWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFINVNSRMLYFAPDLVFNEYRM 779
                                                                                                                                                                              HKSRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYI 839
                                                                                                                                                                                          DMRLETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLC
                                           600 ASRNDCTIDKFRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQEGEASSTTSPTEET
                                                                                                                                                                                                                                                                                                                                                                                                                             Canis familiaris (Dog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.
                                                                                                                                                                                                                                                                                                                                                                  30-MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
15-UW-2002 (Rel. 41, Last annotation update)
Androgen receptor (Dihydrotestosterone receptor).
AR OR NR3C4.
                                                                                                                                                                                                                                                                                                                                                    907 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro: IPR001103; Andrgn_receptor.
InterPro: IPR000536; Hormone_rec_lig.
InterPro: IPR001628; Znf_C4steroid.
                                                                                                                                                                                                                                                                                                                                                       PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=21618348; PubMed=11768233;
                                                                                                                                                                                                                                                                     AEIISVQVPKILSGKVKPIYFHTQ 923
                                                                                                                                                                                                                                                                                  EMBL; AF197950; AAF18084.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pfam; PF00104; hormone_rec; 1.
                                                                                                                                                                                                                                                                                                                                                    STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=9615;
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Q9TT90;
540
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SSKDNYLGGTSTISDNAKELCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGVPPAV 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ELPSTLSLYKSGALDEAAAYQSRDYYNFPLALAGPPPPPPPPPPHARIKLENPLDYGSAW 401
                                                                                                                                                                                                                                                                       Gaps
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                                      SMART; SM00430; HOLI; 1.
SMART; SM00430; ZnF_C4; 1.
PROSITE; PS00031; NUCLEAR_RECEPTOR; 1.
Receptor; Transcription regulation; DNA-binding; Nuclear protein; Zinc-finger; Steroid-binding.
                                                                                                                                                                                                                                                                                        1 MEVQLGLGRVYPRPPSKTYRGAFQNLFQSVREVIQNPGPRHPEAASAAPPGASLLLLLQQQ
                                                                                                                                                                                                                                                                                                    61 QQQQQQQQQQQQQQQQQQQQQGTISPR-QQQQQQGEDGSPQAHRRGPTGYLVLJEEQQPS
                                                                                                                                                                                                                                                                                                                                                                                                                      SADLKDILSEASTMQLL-------QQQQQEAVSEGSSSGRAREASGAPT
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                                                                                                                                                                                                                                                                       54;
                                                                                                                                                                                                                                                   Length 907;
                                                                                             MODULATING (BY SIMILARITY).
NUCLEAR RECEPTOR-TYPE.
C4-TYPE.
LIGAND-BINDING.
POLY-GLN.
                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                 POLY-ALA.
C8619F78DD2338AF CRC64;
                                                                                                                                                                                                                                               ; Score 4319; DB 1;
; Pred. No. 8.3e-199;
20; Mismatches 46;
                                                                                                                                                                     POLY-GLN.
POLY-GLN.
POLY-SER.
POLY-PRO.
         Pfam; PF02166; Androgen_recep; 1.
PRINTS; PR00047; STROIDFINGER.
PRODOM; PD000035; Znf_C4steroid; 1.
                                                                                                                                                                                                                           98726 MW;
                                                                                                                                                                                                                                               87.9%;
87.3%;
                                                                                                                                                                                                                                                                      Conservative
Pfam; PF00105; zf-C4; 1.
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407 AA;
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                                                                                                      DNA_BIND
ZN_FING
ZN_FING
DOMAIN
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VENTRAL PROSTATE AND COAGULATING GLAND WITH LOWER LEVELS IN THE
KIDNEY, AND LEVATOR ANI WIGCLE.
DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DOMAIN,
A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN,
DISEASE: Defects in AR are a cause of androgen insensitivity. Rats
with this syndrome are called testicular feminized (TFM).
SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.
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Yarbrough W.G., Quarmby V.E. Simental J.A., Joseph D.R., Sar M.,
Lubahn D.B., Olsen K.L., French F.S., Wilson E.M.;
"A single base mutation in the androgen receptor gene causes androgen insensitivity in the testicular feminized rat.";
J. Biol. Chem. 265:8893-8900(1990).
-I- PUNCTION: THE STEROID HORMONES AND THEIR RECEPTORS ARE INVOLVED IN THE REGULATION OF EUKARYOTIC GENE EXPRESSION AND AFFECT CELLULAR PROLIFERATION AND DIFFERENTIATION IN TARGET TISSUES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chang C., Kokontis J., Liao S.;
"Structural analysis of complementary DNA and amino acid sequences of "Structural analysis of complement";
human and rat androgen receptors ";
Proc. Natl. Acad. Sci. U.S.A. 85:7211-7215(1988).
                                                                                                  802
   626 KLQEEGEASNVTSPTEEPTQKLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSF 685
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                                                                                                                                                                                                                                                                                                                              881
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Tan J., Joseph D.R., Quarmby V.E., Lubahn D.B., Sar M., French F.S.,
Wilson E.M.;
                                                                                                                                                                                                                                  AALLSSLNELGERQLVHVVKWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNV
                                                                                                                                                                                                 NSRMLYFAPDLVFNEYRMHKSRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIP
                                                                                                                                                                                                                                                                                                                                 VDGLKNQKFFDELRMNYIKELDRIIACKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "The rat androgen receptor: primary structure, autoregulation of messenger ribonotieic acid, and immunocytochemical localization of the recent recent of the second of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Craniata; Vertebrata; Euteleostomi;
Sciurognathi; Muridae; Murinae; Rat
                                                                                                                                                                                                                                                                                                                                                                                                                                                     FDLLIKSHMYSVDFPEMAAEIISVQVPKILSGKVKPIYFHTQ 923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    p15207; Q63049; Created) 01-APR-1990 (Rel. 14, Created) 01-APR-1990 (Rel. 14, Last sequence update) 15-JUN-2002 (Rel. 41, Last annotation update) Androgen receptor (Dihydrotestosterone receptor).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Endocrinol. 2:1276-1285(1988)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=89017168; PubMed=3174628;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rattus norvegicus (Rat).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             the receptor protein.
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SEQUENCE FROM N.A.
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the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 QQQQQQQQQQQQQQQQQQQQQQETSPRQQQQQQ-GEDGSPQAHRRGPTGYLVLDEEQQPS 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120 QPQSALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAAPSTLSLLGPTFPGLSSC 179
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R -> Q (IN TFM; HAS ONLY 10-15% OF THE
ANDROGEN-BINDING CAPACITY OF WILD-TYPE
                                                                                                                                                                                                                                                                                                                                                SMART; SMO0430; HOLL; 1.

SMART; SM00439; ZnF_C4; 1.

PROSITE; PS00031; NUCLEAR_RECEPTOR; 1.

Receptor; Transcription regulation; DNM-binding; Nuclear protein;

Zinc-finger; Steroid-binding; Disease mutation.

1 540 MODULATING.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MEVQLGLGRVYPRPPSKTYRGAFQNLFQSVREVIQNPGPRHPEAASAAPPGASLLLLQQQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        283 PTPCAPLAECKGSLLDDSAGKSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          180 SADLKDILSEASTMQLL-------OQQQQEAVSEGSSSGRAREASGAPTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              57;
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43F4064759FDCBED CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEAR RECEPTOR-TYPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             85.5%; Score 4200.5; DB 1;
84.6%; Pred. No. 3.6e-193;
ive 36; Mismatches 52;
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POLY-PRO.
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C4-TYPE.
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PIR; A34943; A34943.

FIR; A34943; A34943.

THASP: P06536; 1GDC.

TRANSFAC; T00042; --
INTERPO; TRF001103; Andrgn_receptor.

InterPro; IPR001636; Hormone_rec_lig.

InterPro; IPR001628; Znf_C4steroid.
                                                                                                                                                                                                                                                                                                                       PRINTS; PR00047; STRÖIDFINGER.
ProDom; PD000035; Znf_C4steroid; 1.
                                                                                                                                                                                                                                                                                                          Pfam; PF02166; Androgen_recep; 1.
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Pfam; PF00105; zf-C4; 1.
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                                                                                                          EMBL; M20133; AAA40733.1; -. EMBL; M23264; AAA40759.1; -. EMBL; J05454; AAA40734.1; -.
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302 AA;
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 AAAAQCRYGDLASLHGAGAAGPGSGSPSAAASSSWHTLFTAEEGQLYGPCGGGGGGGGG 462
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                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
MEDLINE-91354214; PubMed-1883336;
Faber P.W., King A., van Rooij H.C.J., Brinkmann A.O., de Both N.J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=90386642; PubMed=2403358;
He W.W., Fischer L.M., Sun S., Bilhartz D.L., Zhu X., Young C.Y.F.,
Kelley D.B., Tindall D.J.;
"Molecular cloning of androgen receptors from divergent species with
a polymerase chain reaction technique: complete cDNA sequence of the
mouse androgen receptor and isolation of androgen receptor cDNA
                                                                       523 VKSEMGPWMDSYSGPYGDMRLETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTCGS
                                                                                                                            583 CKVFFKRAAEGKOKYLCASRNDCTIDKFRRKNCPSCRLRKCYEAGMTLGARKLKKLGNLK
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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MEDILINE=91133433; PubMed=2178222;
MEDILINE=91133433; PubMed=2178222;
Saspar M.L., Meo T., Tosi M.,
"Structure and size distribution of the androgen receptor mRNA in wild-type and Tfm/Y mutant mice.";
wild-type and Tfm/Y mutant mice.";
Mol. Endocrinol. 4:1600-1610(1990).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       probes from dog, guinea pig and clawed frog.";
Biochem. Biophys. Res. Commun. 171:697-704(1990).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               862 DLLIKSHMVSVDFPEMMAEIISVQVPKILSGKVKPIYFHTQ 902
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16-OCT-2001 (Rel. 40, Last annotation update)
Androgen receptor (Dihydrotestosterone receptor).
AR OR NR3C4.
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01-NOV-1990 (Rel. 16, Last seq
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P19091:
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in the Tfm mouse."; 73-581(1991).

In the Tfm mouse."; 73-781(1991).

In the Tfm mouse
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Trapman J.;
"The mouse androgen receptor. Functional analysis of the protein and characterization of the gene.";
Blochem. J. 278:269-278(1991).
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                                                                                                                                                      Charest N.J., Zhou Z., Lubahn D.B., Olsen K.L., Wilson E.M., French F.S.;
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Receptor; Transcription regulation; DNA-binding; Nuclear Zinc-finger; Steroid-binding.
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NUCLEAR RECEPTOR-TYPE.
C4-TYPE.
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Pred. No. 5.2e-192;
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LIGAND-BINDING.
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InterPro; IPR001103; Andrgn_receptor.
InterPro; IPR00136; Andrgn_rece_1ig.
InterPro; IPR001628; Znf_C4steroid.
Pfam; PF00104; hormone_rec; 1.
Pfam; PF00105; Zf_C4; 1.
Pfam; PF00105; Zf_C4; 1.
Pfam; PF00105; Zf_C4; 1.
Propm; PF00105; Zf_C4; 1.
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                                                                                                             SEQUENCE FROM N.A. MEDLINE-92017874; PubMed=1681426;
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EMBL; X5952; CAA42160.1; --
PIR; A37895; A35895.
PIR; A37206; A37255.
PIR; A37908; A37908
PIR; S17198; S17198; S17198
PIR; S34398; S34398.
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SMART; SM00399; ZnF_C
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Best Local Similarity

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                                                                                   SADLKDILSEASTMQLLQ-------QQQQEAVSEGSSSGRAREASGAPTSSK 224
                                                                                                                                                            STLSLYKSGALDEAAAYQSRDYYNFPLALAGPPPPPPPPPPHPHARIKLENPLDYGSAWAAA 404
                                                                                                                                                                                                           465 GGGGGGGGGGGGAAVAPYGYTRPPQGLAGQESDFTAPDVWYPGGMVSRVPYPSPTCVK 524
                                                                                                                                                                                                                                    SEMGPWMDSYSGPYGDMRLETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTCGSCK 584
                                                                                                                                                                                                                                                                                   EEGEASSTISPIEETIQKLIVSHIEGYECQPIFLNVLEAIEPGVVCAGHÖNNQPDSFAAL 704
                                                                                                                                                                                                                                                                                                                                    MLYFAPDLVFNEYRMHKSRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDG 824
Gaps
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           --GGGGGSSSPSDAGPVAPYGTTRPPQGLTSQESDYSASEVWYPGGVVNRVPYPSPNCVK
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                                         VFFKRAAEGKQKYLCASRNDCTIDKFRRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQ
                                                                                                           DNYLGGTSTISDNAKELCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGVPPAVRPT
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26;
Indels
53;
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Mismatches
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790; Conservative
Matches
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-1- DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DOMAIN.
A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN.
-1- SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.
NR3 SUBFAMILY.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    258 HLSPGEOLRGDCMYAPLLGVPPAVRPTPCAPLAECKGSLLDDSAGKSTEDTAEYSPFKGG 317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             318 YTKGLEGESLGCSGSAAAGSSGTLELPSTLSLYKSGALDEAAAYQSRDYYNFPLALAGPP 377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Score 3509.5; DB 1; Length 709; Pred. No. 2.1e-160; 16; Mismatches 31; Indels 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A HSSY; PUGS36; 16DC.

A InterPro; PR00103; Andrgn_receptor.

A InterPro; PR001053; Hormone_rec_lig.

A InterPro; IPR001628; Enf_C4steroid.

B Pfam; PP00104; Androgen_recep; 1.

R Pfam; PP00109; zf-C4; 1.

R ProDom; PD000035; zf-C4; 1.

R SMART; SM00139; LOLI; 1.

R SMART; SM00139; LNC_C4steroid; 1.

R PROSITE; PS00031; NUCLEAR_RECEPTOR; 1.

R RECEPTOR; Transcription regulation; DNA-binding; Nuclear prot
39, Last annotation update)
(Dihydrotestosterone receptor) (Fragment)
                                              Oryctolagus cuniculus (Rabbit).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eut
Mammalia; Eutheria; Lagomorpha; Leporidae; Oryctolagus.
NCBI_TaxID=9986;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         40E7666137E97B6B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MODULATING.
NUCLEAR RECEPTOR-TYPE.
C4-TYPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LIGAND-BINDÍNG POLY-GLN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                POLY-PRO.
POLY-ALA.
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207 PC
262 PC
77391 MW;
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Best Local Similarity 90.99
Matches 660; Conservative
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414
369
409
709
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201
254
709 AA;
30-MAY-2000 (Rel.
Androgen receptor
AR OR NR3C4.
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ZN_FING
ZN_FING
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DOMAIN
SEQUENCE
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This SWISS-PROT entry is copyright. It is produced through a collaboration
                             497
                                                                                                                                SDFTAPDVWYPGGMVSRVPYPSPTCVKSEMGPWMDSYSGPYGDMRLETARDHVLPIDXYF 557
                                                                                                                                                                                                                                                                                                   PPQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCASRNDCTIDKFRRKNCPS 617
                                                                                                                                                                                                                                                                                                                                   CRLRKCYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPTEETTQKLTVSHIEGYECQPIF 677
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGFRNLHVDDQ 737
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSRWYSQCVRMRHLSQE 797
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DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DOMAIN,
A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN.
SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.
NR3 SUBFAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 857
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-!- FUNCTION: THE STEROID HORMONES AND THEIR RECEPTORS ARE INVOLVED I THE REGULATION OF EURARYOTIC GENE EXPRESSION AND AFFECT CELLULAR PROLIFERATION AND DIFFERENTIATION IN TARGET TISSUES.
PPPPPPPHPHARIKLENPLDYGSAWAAAAAQCRYGDLASLHGAGAAGPGSGSPSAAASSSW
                                                                                                  HTLFTAEEGQLYGPCGGGGGGGGGGGGGGGGGGGGGGGGGAGAVAPYGYTRPPQGLAGQE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
MEDLINE=87067449; PubMed=3538016;
Loosfelt H., Atger M., Misrahl M., Guiochon-Mantel A., Meriel C.,
Logeat F., Benarous R., Milgrom F.;
"Cloning and sequence analysis of rabbit progesterone-receptor
complementary DNA.";
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eu
Mammalia; Eutheria; Lagomorpha; Leporidae; Oryctolagus
NCBI_TaxID=9986;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Progesterone receptor
PGR OR NR3C3.
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P06186;
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PRGR_RABIT
1D PRGR_RA
AC P06186
DT 01-JAN
DT 15-JUL
DD PFOGES
OS OTYCCO
OC MARMAN
OC MARMAN
OX NCBL_I
OX NCBL_I
OX NCBL_I
RN KEDLIN
RN MEDLIN
RX MEDLIN
RY COMPLE
RA LOOSÍE
RA 
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378
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between the Swiss Institute of Bioinformatics and the EMBL outstation. The European Bioinformatics Institute. There are no festrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@lsb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       38;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LDGLLFPRPCQGQNPPDGKTQDPPSLSDVEGAFPGVEAPEGAGDSSSRPPEKDSGLLDSV 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         116 LDTLLAPSGPGQSHASPATCEALSPWCLFGPD---LPEDPRAAPATKGVLAPLMSRPEDK 172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     --DDSA-----SSCSADIKDIL----GPTFPGL-----SSCSADIKDIL-SEAST 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           193 MÓLLQQQQQEAVSEGSSSGRAREASGAPTSSKDNYLGGTSTI-SDNAKELCKAVSVSMGL 251
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                      CLEAR LOCALIZATION SIGNAL (POTENTIAL) 644FF4C13BF2F883 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        85
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRAPHVAGGAPSPTEVGSQLL------GRPDPGPFQGSQTSEASSVVSAIPIS
                                                                                                                                                                                                                                                                                                    1.
DNA-binding; Nuclear protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LDEEQQPSQP----QSALECH-----PERGCVPEPGAAVAASKGLPQQLPAPPDE-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GPLLKGOPRALGGTAAGGGAAPVASGAAA-----GGVALVPKEDSRFSAPRVSLA---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                252 GVEALEHLSPGEQLRG----DCMYAPLLGVPPAVRPTPCAPLAECKGSLLDDSAGKST--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ::|| | | | | | ::
--EQDAPVAPGRSPLATSVVDFIHVPILPLNHAFLATRTRQLLE--GESYDGGAAAASPF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  339 VPQRGSPSASSTPVAGGDFPDCTYPPDAEPK-----DDAFPLYGDFQ-PPALKIKEEEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LDEAAAYQSRDYY-----NFP-LALAGPPPPPPPPPHARIKLENPLDYGSAWAAAAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          313; Indels
                                                                                                                                                                                                                                                                                                                                              MODULATING, PRO-RICH.
NUCLEAR RECEPTOR-TYPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3e-53
                                                                                                                                                                                                                                                                                                                                                                                                     STEROID-BINDING.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        25.7%; Score 1262.5;
llarity 34.4%; Pred. No. 2.3e
Conservative 127; Mismatches
                                                                                                                                    TRANSFAC, TOOG97: -
INTERPORT, TROOG97: -
INTERPORT, IPRO00128; PROGET. Ecceptor.
INTERPORT, IPRO0128; PROGET. Ecceptor.
INTERPORT, IPRO01028; PROGET. Ecceptor.
Pfam: PF00104; hormone_rec; 1.
Pfam: PF00105; zf-C4; 1.
PRINTS; PR00047; STROIDFINGER.
PRODOM; PR0000095; Znf_C4; 1.
SMART; SM00430; HOLI; 1.
                                                                                                                                                                                                                                                                                                                                              MODULATING,
                                                                                                                                                                                                                                                                                             PROSITE: PS00031; WILL TREEPTOR; Receptor; Transcription regulation; Zinc-finger; Steroid-binding.
                                                                                                                                                                                                                                                                                                                                                                                                                 188 NU
98666 MW;
                                                                                                  EMBL; M14547; AAA31443.1; -.
                                                                                                                                                                                                                                                                                                                                .binding.
                                                                                                                                                                                                                                                                                                                                              565
633
588
588
628
628
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568
604
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930 AA;
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ZN_FING
ZN_FING
DOMAIN
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Best Local 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A., AND ALTERNATIVE SPLICING.
MEDLINE-90228361; PubMed-2328727;
Kastner P., Krust A., Turcotte B., Stropp U., Tora L., Gronemeyer H.,
                                                                                                                                                                                                                                                                                                                                                                                                         LMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSRMYSQCVRMRHLSQEFGWLQITPQE 807
                                                                                                                                                    629
                                                                                                                                                                                               634
                                                                                                                                                                                                                                       687
                                                                                                                                                                                                                                                                                694
                                                                                                                                                                                                                                                                                                                        VVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGFRNLHVDDQMAVIQYSWMG 747
                                                                                                                                                                                                                                                                                                                                               808 FLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELDRIIACKRKNPTSCSRRFYQLTKLL 867
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE-9828128; PubMed-9620806; MEDLINE-9828128: MEDLINE-9828128: PubMed-9620806; Milliams S.P., Sigler P.B.; "Atomic structure of progesterone complexed with its receptor."; Mature 393:392-396(1998).
-i. FUNCTION: THE STEROID HORMONES AND THEIR RECEPTORS ARE INVOLVED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Two distinct estrogen-regulated promoters generate transcripts encoding the two functionally different human progesterone receptor forms A and B.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                570 ASGCHYGALTCGSCKVFFKRAAEGKQKYLCASRNDCTIDKFRRKNCPSCRLRKCYEAGMT
                                                                                                                                                                        MEDLINE-87184565; PubMed=3551956; Misrahi M., Atger M., D'Auriol L., Loosfelt H., Meriel C., Fridhansky F., Gulochon-Mantel A., Galibert F., Milgrom E.; "Complete amino acid sequence of the human progesterone receptor deduced from cloned cDNA.";
    LGARKLKKLGNLKLQEEGEASSTTSPT--EETTQKLTVSHIEGYECQPIFLNVLEAIEPG
                                                                   ---VPYPSPTCVKSEMGPWMDSYSGPYGDMRLETARDHVLPIDYYFP--PQKTCLICGDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               868 DSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQVPKILSGKVKPIYFH 921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kieback D.G., Agoulnik I.U., Tong X.-W.;
Submitted (JUL-1997) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               lochem. Biophys. Res. Commun. 143:740-748(1987).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             P06401; Q9UPF7;
01-JAN-1988 (Rel. 06, Created)
16-OCT-2001 (Rel. 40, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
PGR OR NR3C3.
                                                                                                              537 QVYTPY-----LNYLRPDSEASQSP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBO J. 9:1603-1614(1990).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
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                                      SUBCELLULAR LOCATION: Nuclear.

ALTERNATIVE PRODUCTS: 2 ISOFORMS, A AND B (SHOWN HERE); ARE PRODUCED BY ALTERNATIVE SPLICING.

DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DOMAIN, A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN.

SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.

NR3 SUBFAMILY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               67 QQQQQQQQQQQQQQQGTSPRQQQQQGEDGSPQAHRRGPTGYL--VLDEEQQPSQPQSA 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SIGNAL (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SMART; SM00399; ZnF_C4; 1.
PROSITE; PS00031; NUCLEAR_RECEPTOR; 1.
Receptor; Transcription regulation; DNA-binding; Nuclear protein;
Zinc-finger; Steroid-binding; Phosphorylation; Alternative splicing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99 ÖÖÖÖÖÖÖÖÖÖÖ 99
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THE REGULATION OF EUKARYOTIC GENE EXPRESSION AND AFFECT CELLULAR PROLIFERATION AND DIFFERENTIATION IN TARGET TISSUES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GPRAPHVAGGPPSPEVGSPLLCRPAAGPFPGSQTSDTLPEVSAIPISLDGLLFPRPCQGQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25.6%; Score 1256; DB 1; Length 933; 34.5%; Pred. No. 4.7e-53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G -> S (IN REF. 1).
V -> S (IN REF. 1).
S -> T (IN REF. 1).
L -> V (IN REF. 2).
W; 80414B7F1F317F8E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PHOSPHORYLATION (BY CK).
PHOSPHORYLATION (BY CK).
PHOSPHORYLATION (BY CK).
PHOSPHORYLATION (BY CK).
MISSING (IN ISOFORM A).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEAR LOCALIZATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              larity 34.5%; Pred. No. 4.7e-53; Conservative 119; Mismatches 329;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PHOSPHORYLATION (BY PHOSPHORYLATION (BY
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STEROID-BINDING.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MIM; 264080; ...
InterPro; IPR000536; Hormone_rec_lig.
InterPro; IPR00128; Progest_receptor.
InterPro; IPR00128; Progest_receptor.
InterPro; IPR00128; Stdhrmn_receptor.
InterPro; IPR00128; Znf_C4steroid.
Pfam; PF00104; hormone_rec; 1.
Pfam; PF00105; zf-C4; 1.
Pfam; PF02161; Prog_receptor; 1.
PRINTS; PR00049; STRDHORMONER.
PRINTS; PR00047; STRDHORMONER.
ProDom; PD000035; Znf_C4; 1.
SMART; SM00430; AND. 2.
SMART; SM00399; Znf_C4; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; X51730; CAA36018.1; -. EMBL; M15716; AAA60081.1; -.
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660
933 AA;
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ZN_FING
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SEQUENCE
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CONFLICT
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176 174	219	263 293	319	357	395 407	31	459	518 537	576	636 640	069	750	0 0	. 02		
125 LECHPERGCVPEFGAAVAASKGLPQQLPAPPDEDDSAAPSTLSLLGPTFPGL 1	177 SSCSADLKDILSEASTWQLL	220 P-TSSKDNYLGGTSTISDNA		KGLEGESLGCSGSAAAGSSGTLELPSTLSLYKSGALDE	PLYSDFQPPALKIKEEEEGAE PHARIKLENPLDYGSÅWAAAAQ	396 ASARSPRSYLVAGANPAAFPDFPLGPPPPLEP	408 CRYGDLASLHGAGAAGPGSGSPSAAASSSWHTLFTAEEGQLYGPCGGGGGG 4	460 GGGGGGGGGGGGGGGGGGAVAPYGYTRPPQGLAGQESDFTAPDVWYPGGMVSR-VPYP 5						ω ω		RGR_RAT D PRGR_RAT C 063449; C 063449; C 063449; T 30-MAY-2000 (Rel. 39, Created) T 30-MAY-2000 (Rel. 39, Last sequence update) F 30-MAY-2000 (Rel. 39, Last annotation update) R PGR OR NR3C3. S Rattus norvegicus (Rat). S Rattus norvegicus (Rat). Mammalja: Entheria: Podardat; Craniata; Vertebrata; Euteleostomi;
Oy Dp	Qy	Oy Db	QY Db	Qy	oy Oy	qq	Oy Dp	Oy Og	y d	දුරු පු	Oy Dp	oy Dp	Oy Db	Qy Db	Qy	RESULT 12 PRGR_AT ID PRGR_AC AC 06344 DT 30-MA DT 30-MA DT 70-MA DF Proge GN PGR 0 OS RATTU

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                                                                                                                                                                                                    Park-Sarge O.K., Mayo K.E.;
"Regulation of the progesterone receptor gene by gonadotropins and cyclic adenosine 3'.5'-monophosphate in rat granulosa cells,";
Endocrinology 134:709-718(1994).
-i- FUNCTION: THE STEROID HORMONES AND THEIR RECEPTORS ARE INVOLVED I THE REGULATION OF EUKARYOTIC GENE EXPRESSION AND AFFECT CELLULAR PROLIFERATION AND DIFFERENTIATION IN TARGET TISSUES.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEAR LOCALIZATION SIGNAL (POTENTIAL). 05384B9656BF22DC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              111 VLDEEQQPSQPQSALECHPERGC------VPEPGAAVAASKGLPQQLPAPPDE- 157
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PRINTS; PR00047; STROIDFINGER.
Probom; PD000033; Znf_C4steroid; 1.
SMART; SM00399; ZnF_C4; 1.
PROSITE; PS00031; NUCLEAR_RECEPTOR; 1.
PROSITE; PS00031; NUCLEAR_RECEPTOR; 1.
PROSITE; PROSITE; PROSITE PROSITE; PROSIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -!- SUBCELLUIAR LOCATION: Nuclear.
-!- DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DO
A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN.
-!- SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.
NR3 SUBFAMILY.
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Matches 344; Conservative 129; Mismatches 299; Indels 266;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25.1%; Score 1234; DB 1; Length 923; 33.1%; Pred. No. 5.2e-52;
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NUCLEAR RECEPTOR-TYPE.
C4-TYPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STEROID-BINDING.
                                                                                                                             STRAIN-Sprague-Dawley; TISSUE-Placenta; MEDLINE-94130817; PubMed-8299566;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TRANSFAC; T04681; -.
InterPro; IPR000536; Hormone_rec_lig.
InterPro; IPR000128; Progest_receptor.
InterPro; IPR00168; Znf_C4steroid.
Pfam; PF00104; hormone_rec; 1.
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99407 MW;
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Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
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Gronemeyer H., Turcotte B., Quirin-Stricker C., Bocquel M.T.,
Meyer M.E., Krozowski Z., Jeltsch J.M., Lerouge T., Garnier J.M.,
                                                                                                                                                                                       ----GEA-AVAAPSAAVSPVSSSGSALECILYKAEGAPPTQGSFAPLPCKPPAASS----
                                                                                                                                                                                                                                                      ----TSSAAPAIY--PPLGLNG---
                                                                                                                                                                                                                                                                                                     ---LPQLGYQAAVLKDSLPQVYP-----PYLNYLRPDSEASQSPQYGFDSL----
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--EALEHLSPGEQLRGDCM------YAPLLGV
                           285 DAPVAPGRSPLATTVVDFIHVPILPLNHALLAARTRQLLEGDSYDGGAAAQVPFAPPRGS
                                                       PPAVR-PTPCAPLAECKGSLLDDSAGKSTED-TAEYSPFKGGYTKGLEGESLGCSGSAAA
                                                                                 345 PSAPSPPVPCGDFPDC---TYPPEGDPKEDGFPVYGEFOPPGLKIKEEE----EGTEAA
                                                                                                                             394 PLDYGSAWAAAAQCRYGDLAS-----LHGAGAAGPGSGS------PSAAASSSWH
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01-A07-1988 (Rel. 08, Created)
10-A07-1988 (Rel. 08, Last sequ
16-OCT-2001 (Rel. 40, Last ann
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904 AAQLPKILAGMVKPLLFH 921
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PGR OR NR3C3.
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  encoding form A.";
J. Biol. Chem. 265:3967-3974(1990).
-!- FUNCTION: THE SPEROID HORMONES AND THEIR RECEPTORS ARE INVOLVED I THE REGULATION OF ENGRARYOTIC GENE EXPRESSION AND AFFECT CELLULAR PROLIFERATION AND DIFFERENTIATION IN TARGET TISSUES.
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-:- ALTERNATIVE PRODUCTS: 4 ISOFORMS; A (SHOWN HERE), A', B AND B ARE PRODUCED BY ALTERNATIVE SPLICING.
-:- TISSUE SPECIFICITY: OVIDUCT.
-:- DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DO! A DAM-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN.
-:- SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.
NR3 SUBFAMILY.
                                                                                                                                                                                               D.O.,
                                                                                                                                                                                                                                                                                                                                                                                                                                          R.G.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "The chicken progesterone receptor A and B isoforms are products an alternate translation initiation event.";
J. Biol. Chem. 264:14062-14064(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Jeltsch J.-M., Turcotte B., Garnier J.-M., Lerouge T., Krozowski Gronemeyer H., Chambon P.; "Characterization of multiple mRNAs originating from the chicken
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            progesterone receptor gene. Evidence for a specific transcript
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E
                                                                                                                                                            MEDLINE-91042592; PubMed-3153474;
Conneely O.M., Dobson A.D.W., Tsai M.-J., Beattie W.G., Toft I
Huckaby C.S., Zarucki T., Schrader W.T., O'Malley B.W.;
"Sequence and expression of a functional chicken progesterone
                                                                                                                                                                                                                                                                                                                                                         SEQUENCE OF 128-164 FROM N.A.
MEDLINE-86289413; PubMed=2426779;
Conneely O.M., Sullivan W.P., Toft D.O., Birnbaumer M., Cook
Maxwell B.L., Zarucki-Schulz T., Greene G.L., Schrader W.T.,
O'Malley B.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE-89340509; PubMed-2760059;
Conneely O.M., Kettelberger D.M., Tsai M.-J., Schrader W.T.,
O'Malley B.W.;
                  expression and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE-86287271; PubMed=2426697;
MEDLINE-86287271; PubMed=2426697;
Jeltsch J.M., Krozowski Z., Quirin-Stricker C., Gronemeyer H Simpson R.J., Garnier J.M., Krust A., Jacob F., Chambon P.;
"Cloning of the chicken progesterone receptor.";
Proc. Natl. Acad. Sci. U.S.A. 83:5424-5428(1986).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Molecular cloning of the chicken progesterone receptor."; Science 233:767-770(1986).
                     The chicken progesterone receptor: sequence,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DIFFERENCE BETWEEN FORM 1 AND FORM 2.
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MEDLINE=90154085; Pubmed=2303488;
                                                                                                                                                                                                                                                                                                                      Mol. Endocrinol. 1:517-525(1987).
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AAA49038.1;
AAA49039.1; -..
AAA49011.1; -..
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M37518; AAA49013.1; -
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M14278; AAA49035.1;
                                                     functional analysis.";
EMBO J. 6:3985-3994(1987).
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                                                                                                                                                                                                                                                                                                                                                                                  310 AKA---APADFAQPPR--AGQEPSLECVLYKAEPPLLPGAYGPPAAPDSLPSTSAAPPGL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      365 YSPLGLNGHHQALGFPAAVLKEGLPQL----CPPYLGYVRPDTETSQSSQYSFESLPQKIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTLELPSTLSLYKSGALDEAAAYQSRDY
                                                                                                              367 YNFPLALAGPPPPPPPPPPPHARIKLENPLDYGSAWAAAAAQCRYGDLASLHGAGAAGPGS
                                                                                                                                                                                                                      259 -SPSVPAAD-----LAEYG--YPPPDGKEGPFAYGEFQSALKIKEEGVGLPAAPPPFLG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   564 LICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCASRNDCTIDKFRRKNCPSCRLRKC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGF
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                           ------PGA-----GODY
                                                                                                                                                                                                                                                                                                                               476 GEAGAVAPYGYTRPPQGLAGQESDFTA-----PDVWYPGGMVSRVPYPS-----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Last sequence update)
Last annotation update)
                                                        ---APAAAASPAAVE-
                                                                                                                                                                                                                      GSPSAAASSSWHTLFTAEEGQLYGPCGGGGGGGGG
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MEDLINE=95100931; PubMed=7802637;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRGR_MOUSE STANDARD;
000175;
01-DEC-1992 (Rel. 24, Created)
01-DEC-1992 (Rel. 34, Last seq
15-JUL-1999 (Rel. 38, Last ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         624 YEAGMTLGARKLKKLGNLK---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Progesterone receptor (PR). PGR OR NR3C3 OR PR.
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SEQUENCE OF 1-9 FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      910 ILSGKVKPIYFH 921
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ILAGMVKPLLFH 784
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                                                                                                                                                              223 LHVPI----
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PRGR_MOUSE
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MISSING (IN ISOFORM A' AND ISOFORM B').

E -> DD (IN REF. 2).

K -> N (IN REF. 2).

G -> A (IN REF. 2).

R -> T (IN REF. 2).

M -> I (IN REF. 2).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      72 QQQQQQQQQQQTSPRQQQQQQGEDGSPQAHRRGPTGYLVLDEEQQPSQPQSALECHPER 131
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -----PGGGSLSKDCLDSVL-----DTFLAPAAHAAPWSLFGPEVP------ 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VŚMGLGVEALEHLSPGEQLRGDCMYAPLLGVPPAVRPTPCAPLAECKGSLLDDSAGKSTE 306
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             122 - EVPVAPMSRGPEQKAVDAGPGAPGPSQPRPGAP------LWPGADSLNVAVK 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13 RPPSKTYRGAFQNLFQSVREVIQNPGPR-HPEAASAAPPGASLLLLQQQQQQQQQQQQQ 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RAPSSARDGAV-----LLQAPPSRGEAEGIDVALDG---LLYPRSSDEEEEEENE 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PROSTIE; PS00031; NUCLEAR RECEPTOR; 1.
Receptor; Transcription regulation; DNA-binding; Nuclear protein;
Blor-finger; Steroid-binding; Alternative splicing.
DOMAIN 421 486 NUCLEAR RECEPTOR-TYPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ASP/GLU-RICH (ACIDIC).
MISSING (IN ISOFORM B AND ISOFORM
QHNYLCA -> TISYHCS (IN ISOFORM A'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels 260;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24.8%; Score 1218; DB 1; 1
33.4%; Pred. No. 2.6e-51;
"" wismatches 259;
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C4-TYPE.
STEROID-BINDING.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IPR000536; Hormone_rec_lig.
IPR000128; Progest_receptor.
IPR001628; Znf_C4steroid.
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Pfam; PF00105; zf-C4; 1.
Pfam; PF00105; prog_receptor; 1.
PRINTS; PR00047; STROIDFINGER.
ProDom; PD000035; Znf_C4steroid; 1.
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SMART; SM00399; ZnF_C
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TRANSFAC;
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DRAMAN AND 
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PGR OR NR3C3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             36;
                                                                            SUBCELLULAR LOCATION: Nuclear.

DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DOMAIN, A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN.

SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.

NR3 SUBFAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    233
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      114 EEQQPSQPQSALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAAPSTLSLLGPTF 173
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEAR LOCALIZATION SIGNAL (POTENTIAL) 9415F1ED343BEE3F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             118 SLLTPSGPE---OSHAS----PPACEAITSWCLFGPELP----EDPRSVPATKGLLSP--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       291 ECKGSLLDDSAGKSTEDTAEYSPFKGGYTKGLEGESLG---CSGSAAAGSSGTLELPSTL
                                                                                                                                                                                                                                                                                                                                                                                                   SMART; SM00399; Znr_cw; ...
SMOSITE; PS00031: NUCLEAR_RECEPTOR; 1.
Receptor; Transcription regulation; DNA-binding; Nuclear protein; ?inc-finger; Steroid-binding.wonmarING, PRO-RICH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               58 GLLFPRSCRGPELPDGKTGDQQSLSDVEGAFSGVEATHREGGRNSRPPEKDSRLLDSVLD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PGLSSCSADLKDILSEASTMQLLQQQQQEAVSEGSSSGRAREASGAPTSSKDNYLGGTST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             234 ISDNAKELCKAVSVSMGLGVEALEHLSPGEQL---RGDCMYAPLLGVPPAVRPTPCAPLA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            119; Mismatches 301; Indels 288;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEAR RECEPTOR-TYPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -----LMSRPEIKVGDQSGTGRGQ--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 1205; DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.3e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STEROID-BINDING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No.
                                                                                                                                                                                                                                                                            TRANSFAC; T04680; -.
MGD; MGI:97567; Pgr.
InterPro; IPR0001536; Hormone_rec_lig.
InterPro; IPR000128; Progest_receptor.
InterPro; IPR001628; Znf_C4steroid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C4-TYPE
                                                                                                                                                                                                                                                                                                                                 Pfam; PF00104; hormone_rec; 1.
Pfam; PF00105; zf-C4; 1.
Pfam; PF02161; Prog_receptor; 1.
PRINTS; PR00047; STROIDFINGER.
ProDom; PD000035; Znf_C4steroid; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99073 MW;
                                                                                                                                                                                                                                  EMBL; M68915; AAA39971.1; -.
EMBL; U12644; AAA66067.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24.5%;
                                                                                                                                                                                                                                            EMBL; U12644; AAA66067.1; -. PIR; A39596, A39596.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            337; Conservative
                                                                                                                                                                                                                                                                                                                                                                                           SMART; SM00430; HOLI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          557
557
593
671
184
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                                                                                                                                                                                                                                                                                                                                                                                                                                                DOMAIN
DNA_BIND
ZN_FING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DOMAIN
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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462
                                                                                                                                                                                                     ---HPHARIKLEN-----PLDYGSAWAAAAAQCRYGDLA 414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN-Romanov; TISSUE-Uterus;
Madigou T., Tiffoche C., le Gal F., Pelletier J., Thieulant M.;
Submitted (SEP-1997) to the EMBL/Genbank/DDBJ databases.
-!- FUNCTION: THE STEROID HORMONES AND THEIR RECEPTORS ARE INVOLVED ITER RECEPTORS ARE INVOLVED THE REGULATION OF EUKARYOFIC GENE EXPRESSION AND AFFECT CELLULAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ovis aries (Sheep).
Sukaryota: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea;
Bovidae; Caprinae; Ovis.
                                                                                                                            | : : : |
| SRFSAPRYSLEQDSPIAPGRSPLATTVVDFIHVPILPLNHALLAARTRQLLEGESYDGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S-----LHGAGAAGPGSGSP----SAAASSSWHTLFTAEEGQLYGPCGGGGGGGG
                                                                                                                                                                                                                                                                                                                                                                               380 TPGLKIKEEEEGADAA---VRSPRPYLSAGASSSTFPDFPLAPAPQAAPSSRPGEAAVAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          500 FTAPDVWYPGGMVSRVPYPSPTCVKSEMGPWMDSYSGPYGDMRLETARDHVLP--IDYYF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                496 AAAPAIYQPLGL-NGLP-----QLG----YQAAVLKDSLPQVYPPYLNYLR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P-----PQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCASR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NDCTIDKFRRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQE--EGEA--SSTTSPTEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           --TTQKLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VHVVKWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         777 YRMHKSRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NYIKELDRIIACKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   137 GPSSAAVSPASSSGSALECILYKAEAPPTOGSFAPLP-CKPPAAASCLLPRDSLPAAPGT
                                                                                                                                                                                                                                                                                                                                                                                                                                            GGGGGGGGGGGGEA------GAVAPYGYTRPP----
                                                                                                                                                                                                                                                            334 TAGPFCPPRSPSAPSTPVPRGDFPDCTYPLEGDPKEDVFPL----
                                                                                     SLYKSGALD-----EAAAYQSRDYYNFPL-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-NOV-1997 (Rel. 35, Created)
15-UUL-1998 (Rel. 36, Last sequence update)
15-UUL-1999 (Rel. 38, Last annotation update)
Progesterone receptor (PR) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ¥.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMMAEIISVQVPKILSGKVKPIYFH 921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
                                                                                                                                                                                                     373 LAGPPPPPPP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=9940;
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                SUBCELLULAR LOCATION: Nuclear.

DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DOMAIN,
A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN.
SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTOR FAMILY.

NR3 SUBFAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       559 PQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCASRNDCTIDKFRRKNCPSC 618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RLRKCYEAGMTLGARKLKKLGNLKLQEEGEASSTTSP----TEETTQKLTVSHIEGYE 672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        673 CQPIFLINVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGFRNL 732
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSRMYSQCVRMR 792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELDRIIACKRKN 852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     254 QIPQEFVKLQVSQEEFLCMKVLLLLNTIPLEGLRSQNQFEEMRSSYIRELIKAIGLRQKG 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQVPKILS 912
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14 PQKICLICGDEASGCHYGVLTCGSCKVFFKRAMEGQHNYLCAGRNDCIVDKIRRKNCPAC 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                PROSITE; PS00031; NUCLEAR_RECEPTOR; 1.
Receptor; Transcription regulation; DNA-binding; Nuclear protein;
Zinc-finger; Steroid-binding.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 377;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  84; Indels
PROLIFERATION AND DIFFERENTIATION IN TARGET TISSUES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           42904 MW; 3141B65587F7493C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEAR RECEPTOR-TYPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MODULATING, PRO-RICH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22.7%; Score 1116; DB 1;
55.2%; Pred. No. 8.8e-47;
ilve 73; Mismatches 84;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C4-TYPE. STEROID-BINDING.
                                                                                                                                                                                                                                                                                        InterPro; IPR000336; Hormone_rec_lig.
InterPro; IPR000128; Progest_receptor.
InterPro; IPR001628; Znf_C4steroid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C4-TYPE.
                                                                                                                                                                                                                                                                                                                          InterPro; IPR001628; Znf_C4steroid.
Pfam; PF00104; hormone_rec; 1.
Pfam; PF00105; Zf-C4; 1.
Pfam; PF02161; Prog_receptor; 1.
ProDom; PD000035; Znf_C4steroid; 1.
SMART; SM00430; HOLI; 1.
                                                                                                                                                                                                                                                           EMBL; Z66555; CAA91447.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 55.24
Matches 201; Conservative
                                                                                                                                                                                                                                                                             P06401; 1A28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          374 GMVK 377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA_BIND
ZN_FING
ZN_FING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NON_TER
SEQUENCE
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DOMAIN
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Search completed: April 28, 2003, 13:51:04 Job time : 23 secs

